

Computational Design and Testing

U N I V E R S I T Y O F U T A H

CENTER

The objective of this Center is to develop computational technologies for industrial design and testing of novel materials and device elements, with a special focus on nanostructured materials and devices.

TECHNOLOGY

The center's technology is based upon several different ideas. First is computational algorithms for first-principles materials design and testing, computational engine I: materials designer and computation engine II: device simulator. Web based user interface for on-line computational applications. Licensed designs of novel nanostructured materials and device elements.

ACCOMPLISHMENTS

This is the first year of funding for this center. In the first year several goals were accomplished. A design for a carbon nanotube electromechanical pressure sensor, developed a prototype of web-interface for on-line computations and developed the first version of Mades, a computational engine.



THINK TANK

What if there was...

Feng Liu
University of Utah
122 S Central Campus
Dr., #4
SLC, UT 84112
801-587-7719
fliu@eng.utah.edu